Giuseppina Barrera

List of Publications by Year
in descending order

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		236612	344852
35	2,533	25	36
papers	citations	h-index	g-index

36	36	36	3844
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxidative Stress and Lipid Peroxidation Products in Cancer Progression and Therapy. ISRN Oncology, 2012, 2012, 1-21.	2.1	464
2	Interaction of aldehydes derived from lipid peroxidation and membrane proteins. Frontiers in Physiology, 2013, 4, 242.	1.3	254
3	4-Hydroxynonenal As a Biological Signal: Molecular Basis and Pathophysiological Implications. Antioxidants and Redox Signaling, 1999, 1, 255-284.	2.5	237
4	Lipid peroxidation: control of cell proliferation, cell differentiation and cell death. Molecular Aspects of Medicine, 2008, 29, 1-8.	2.7	121
5	Drug Delivery Nanoparticles in Skin Cancers. BioMed Research International, 2014, 2014, 1-13.	0.9	120
6	DNA damage by lipid peroxidation products: implications in cancer, inflammation and autoimmunity. AIMS Genetics, 2017, 04, 103-137.	1.9	105
7	Induction of differentiation in human HL-60 cells by 4-hydroxynonenal, a product of lipid peroxidation. Experimental Cell Research, 1991, 197, 148-152.	1.2	94
8	Role of 4-Hydroxynonenal-Protein Adducts in Human Diseases. Antioxidants and Redox Signaling, 2015, 22, 1681-1702.	2.5	92
9	4-Hydroxynonenal and PPARÎ³ ligands affect proliferation, differentiation, and apoptosis in colon cancer cells. Free Radical Biology and Medicine, 2007, 42, 1661-1670.	1.3	79
10	The "Two-Faced" Effects of Reactive Oxygen Species and the Lipid Peroxidation Product 4-Hydroxynonenal in the Hallmarks of Cancer. Cancers, 2010, 2, 338-363.	1.7	76
11	4-hydroxynonenal and regulation of cell cycle: effects on the pRb/E2F pathway. Free Radical Biology and Medicine, 2004, 37, 597-606.	1.3	62
12	Synergistic effect of 4-hydroxynonenal and PPAR ligands in controlling human leukemic cell growth and differentiation. Free Radical Biology and Medicine, 2002, 32, 233-245.	1.3	61
13	4-Hydroxynonenal modulation of p53 family gene expression in the SK-N-BE neuroblastoma cell line. Free Radical Biology and Medicine, 2005, 38, 215-225.	1.3	58
14	Mitochondrial Dysfunction in Cancer and Neurodegenerative Diseases: Spotlight on Fatty Acid Oxidation and Lipoperoxidation Products. Antioxidants, 2016, 5, 7.	2.2	55
15	Effect of 4-Hydroxynonenal on c-myc Expression. Toxicologic Pathology, 1987, 15, 238-240.	0.9	54
16	Effect of 4-hydroxynonenal on cell cycle progression and expression of differentiation-associated antigens in HL-60 cells. Free Radical Biology and Medicine, 1996, 20, 455-462.	1.3	54
17	Inhibition of D1, D2, and a cyclin expression in HL-60 cells by the lipid peroxydation product 4-hydroxynonenal. Free Radical Biology and Medicine, 1999, 26, 1578-1586.	1.3	51
18	Induction of cell cycle arrest and DNA damage by the HDAC inhibitor panobinostat (LBH589) and the lipid peroxidation end product 4-hydroxynonenal in prostate cancer cells. Free Radical Biology and Medicine, 2011, 50, 313-322.	1.3	49

#	Article	IF	Citations
19	Peroxisome Proliferator-Activated Receptor Ligands Affect Growth-Related Gene Expression in Human Leukemic Cells. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 932-942.	1.3	45
20	4-Hydroxynonenal Specifically Inhibits c-myb but Does Not Affect c-fos Expressions in HL-60 Cells. Biochemical and Biophysical Research Communications, 1996, 227, 589-593.	1.0	39
21	4-Hydroxynonenal inhibits telomerase activity and hTERT expression in human leukemic cell lines. Free Radical Biology and Medicine, 2006, 40, 1578-1591.	1.3	38
22	Oxidative Stress-Related Mechanisms in Melanoma and in the Acquired Resistance to Targeted Therapies. Antioxidants, 2021, 10, 1942.	2.2	33
23	4-Hydroxynonenal-Induced MEL Cell Differentiation Involves PKC Activity Translocation. Biochemical and Biophysical Research Communications, 2000, 272, 75-80.	1.0	32
24	4-Hydroxynonenal affects pRb/E2F pathway in HL-60 human leukemic cells. Biochemical and Biophysical Research Communications, 2002, 295, 267-275.	1.0	30
25	Rosiglitazone and AS601245 Decrease Cell Adhesion and Migration through Modulation of Specific Gene Expression in Human Colon Cancer Cells. PLoS ONE, 2012, 7, e40149.	1.1	27
26	Nuclear factor erythroid 2-related factor-2 activity controls 4-hydroxynonenal metabolism and activity in prostate cancer cells. Free Radical Biology and Medicine, 2011, 51, 1610-1618.	1.3	26
27	Peroxisome Proliferator-Activated Receptors (PPARs) and Oxidative Stress in Physiological Conditions and in Cancer. Antioxidants, 2021, 10, 1734.	2.2	24
28	4â€Hydroxynonenal and cell cycle. BioFactors, 2005, 24, 151-157.	2.6	23
29	PPARÎ³ ligands inhibit telomerase activity and hTERT expression through modulation of the Myc/Mad/Max network in colon cancer cells. Journal of Cellular and Molecular Medicine, 2010, 14, 1347-1357.	1.6	23
30	Exposure of HL-60 human leukaemic cells to 4-hydroxynonenal promotes the formation of adduct(s) with Î±-enolase devoid of plasminogen binding activity. Biochemical Journal, 2009, 422, 285-294.	1.7	22
31	AS601245, an Anti-Inflammatory JNK Inhibitor, and Clofibrate Have a Synergistic Effect in Inducing Cell Responses and in Affecting the Gene Expression Profile in CaCo-2 Colon Cancer Cells. PPAR Research, 2012, 2012, 1-16.	1.1	22
32	The Role of PPAR Ligands in Controlling Growth-Related Gene Expression and their Interaction with Lipoperoxidation Products. PPAR Research, 2008, 2008, 1-15.	1.1	20
33	Novel tetrahydroacridine derivatives with iodobenzoic moieties induce G0/G1 cell cycle arrest and apoptosis in A549 non-small lung cancer and HT-29 colorectal cancer cells. Molecular and Cellular Biochemistry, 2019, 460, 123-150.	1.4	19
34	The inclusion complex of 4-hydroxynonenal with a polymeric derivative of Î²-cyclodextrin enhances the antitumoral efficacy of the aldehyde in several tumor cell lines and in a three-dimensional human melanoma model. Free Radical Biology and Medicine, 2013, 65, 765-777.	1.3	14
35	Generation of Adducts of 4-Hydroxy-2-nonenal with Heat Shock 60â€‰kDa Protein 1 in Human Promyelocytic HL-60 and Monocytic THP-1 Cell Lines. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-13.	1.9	9